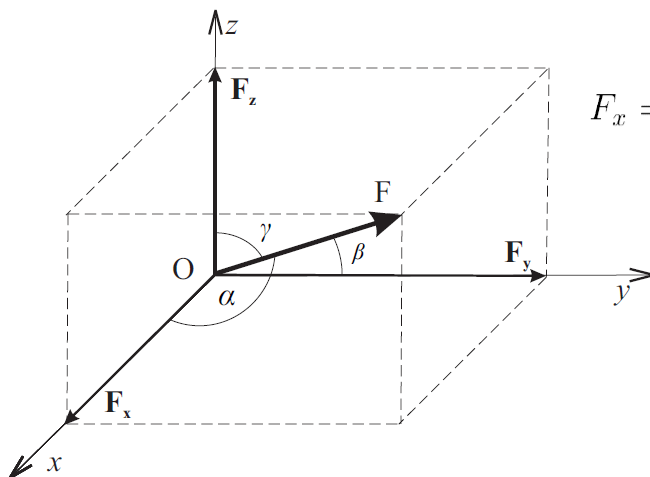


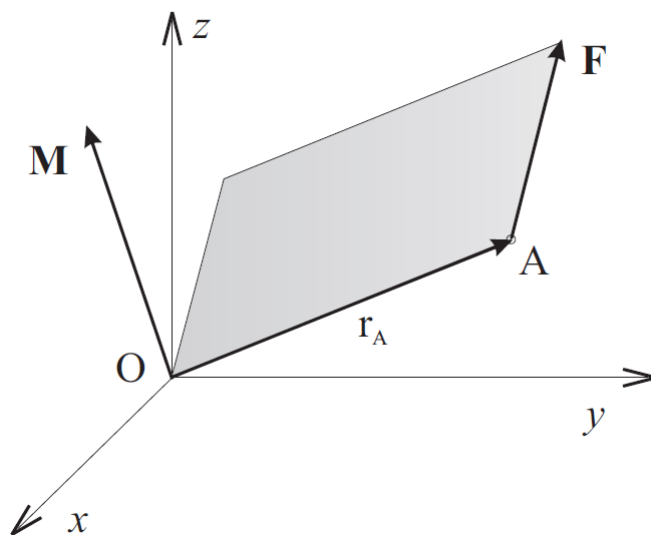
Síla



$$F_x = F \cos \alpha, \quad F_y = F \cos \beta, \quad F_z = F \cos \gamma$$

$$F = |\mathbf{F}| = \sqrt{F_x^2 + F_y^2 + F_z^2}$$

Moment síly k bodu O



$$\mathbf{M}_O = \mathbf{r} \times \mathbf{F}$$

$$M_O = r F \sin \varphi = F d$$

Pozn.: φ je úhel mezi silou \mathbf{F} a vektorem \mathbf{r} , d je vzdálenost bodu O od nositelky síly \mathbf{F} .